PATENT

Sang He Lce Application No.: 09/845,036 Page 2

- (Amended) The method of claim 21, wherein the 22. hyperimmunizing step comprises administering the antigen to an airway of the farmanimal.
- (Amended) The method of claim 22, wherein the 23. hyperimmunizing step comprises administering the antigen intranasally to the farmanimal.
- (Amended) The method of claim 21, wherein the mammary 24. secretion product is milk.
- (Amended) The method of claim 21, wherein the antibody is an 25. IgA antibody.
- (Amended) The method of claim 21, further comprising boosting 26. an immune response to the antigen in the farm-animal.
- (Amended) A method of making an antibody composition 28. comprising an antibody specific for an antigen, the method comprising:

hyperimmunizing a farm-animal for the antigen via a mucosal passage of the farm-animal;

administering the antigen to a mammary gland and/or a supramammary lymph node of the farm-animal;

harvesting the mammary secretion product from the farm-animal; and deriving the antibody composition from the harvested mammary secretion product.

PATENT

Sang He Lee Application No.: 09/845,036 Page 3

(Amended) A method of making an antigen-specific antibody, the 29. method comprising:

hyperimmunizing a farm-animal for an antigen via a mucosal passage of the farm-animal:

administering the antigen to a mammary gland and/or a supramammary lymph node of the farm-animal;

harvesting a mammary secretion product from the farm-animal; and deriving the antigen-specific antibody from the harvested mammary secretion product.

(Amended) A method of making a medicament comprising an 30. antibody specific for an antigen, the method comprising:

hyperimmunizing a farm-animal for the antigen via a mucosal passage of the farm-animal:

administering the antigen to a mammary gland and/or a supramammary lymph node of the farm-animal;

> harvesting the mammary secretion product from the farm-animal; and incorporating the mammary secretion product into the medicament.

(Amended) A method of making a food product comprising an 31. antibody specific for an antigen, the method comprising:

hyperimmunizing a farm-animal for the antigen via a mucosal passage of the farm-animal:

administering the antigen to a mammary gland and/or a supramammary lymph node of the farm-animal;

> harvesting the mammary secretion product from the farm-animal; and incorporating the mammary secretion product into the food product.